

EXCELCHEM
Environmental Labs

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ELAP Certificate No. : 2119

30 April 2012

Calvin Yang

RWQC Central Valley

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

RE: MUN Evaluation

Work order number:1204188

Enclosed are the results of analyses for samples received by the laboratory on 04/17/12 16:10. All Quality Control results are within acceptable limits except where noted as a case narrative. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

John Somers, Lab Director

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670


Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AWL 120417-30	1204188-01	Water	04/17/12 09:20	04/17/12 16:10
AWL 120417-31	1204188-02	Water	04/17/12 09:01	04/17/12 16:10
AWL 120417-32	1204188-03	Water	04/17/12 09:43	04/17/12 16:10
AWL 120417-33	1204188-04	Water	04/17/12 11:12	04/17/12 16:10
AWL 120417-34	1204188-05	Water	04/17/12 13:20	04/17/12 16:10
AWL 120417-35	1204188-06	Water	04/17/12 12:53	04/17/12 16:10
AWL 120417-36	1204188-07	Water	04/17/12 11:42	04/17/12 16:10
AWL 120417-37	1204188-08	Water	04/17/12 12:10	04/17/12 16:10

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-30 1204188-01 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	1100	50.0	24.5	ug/l	1	AVD0360	04/19/12	04/26/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	235	50.0	0.8	"	1	"	"	"	"	
Iron	1460	20.0	11.5	"	1	"	"	"	"	
Manganese	107	10.0	0.6	"	1	"	"	"	"	
Sodium	132000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0260	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-30 1204188-01 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-30 1204188-01 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
Surrogate: Dibromofluoromethane	99.8 %	% Recovery Limits		70-130					"	
Surrogate: Toluene-d8	101 %	% Recovery Limits		70-130					"	
Surrogate: 4-Bromofluorobenzene	97.9 %	% Recovery Limits		70-130					"	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0284	04/18/12	04/19/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	1.61	0.11	0.02	mg/L	1	AVD0287	04/17/12	04/17/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-31 1204188-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	133	50.0	24.5	ug/l	1	AVD0360	04/19/12	04/26/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	237	50.0	0.8	"	1	"	"	"	"	
Iron	27.8	20.0	11.5	"	1	"	"	"	"	
Manganese	38.0	10.0	0.6	"	1	"	"	"	"	
Sodium	169000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0260	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	4.6	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21


AWL 120417-31 1204188-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	1.3	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	0.2	0.5	0.08	"	1	"	"	"	"	J
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-31 1204188-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
Surrogate: Dibromofluoromethane	101 %	% Recovery Limits		70-130					"	
Surrogate: Toluene-d8	100 %	% Recovery Limits		70-130					"	
Surrogate: 4-Bromofluorobenzene	96.9 %	% Recovery Limits		70-130					"	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0284	04/18/12	04/19/12	SM5540C	
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Ion Chromatography

Nitrite as Nitrogen	ND	0.15	0.02	mg/L	1	AVD0287	04/17/12	04/17/12	EPA 300.0	
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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-31 1204188-02RE1 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Ion Chromatography

Nitrate as Nitrogen	13.5	1.10	0.25	mg/L	10	AVD0287	04/17/12	04/17/12	EPA 300.0	
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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-32 1204188-03 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	1130	50.0	24.5	ug/l	1	AVD0360	04/19/12	04/26/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	236	50.0	0.8	"	1	"	"	"	"	
Iron	1480	20.0	11.5	"	1	"	"	"	"	
Manganese	97.0	10.0	0.6	"	1	"	"	"	"	
Sodium	137000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0260	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	0.1	0.5	0.1	"	1	"	"	"	"	J
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21


AWL 120417-32 1204188-03 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-32 1204188-03 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
Surrogate: Dibromofluoromethane	98.9 %	% Recovery Limits		70-130					"	
Surrogate: Toluene-d8	101 %	% Recovery Limits		70-130					"	
Surrogate: 4-Bromofluorobenzene	96.1 %	% Recovery Limits		70-130					"	


Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0284	04/18/12	04/19/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	4.19	0.11	0.02	mg/L	1	AVD0287	04/17/12	04/17/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-33 1204188-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	4040	50.0	24.5	ug/l	1	AVD0360	04/19/12	04/26/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	268	50.0	0.8	"	1	"	"	"	"	
Iron	5350	20.0	11.5	"	1	"	"	"	"	
Manganese	214	10.0	0.6	"	1	"	"	"	"	
Sodium	149000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0260	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21


AWL 120417-33 1204188-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-33 1204188-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
Surrogate: Dibromofluoromethane	99.4 %	% Recovery Limits		70-130						"
Surrogate: Toluene-d8	101 %	% Recovery Limits		70-130						"
Surrogate: 4-Bromofluorobenzene	96.4 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0284	04/18/12	04/19/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	3.16	0.11	0.02	mg/L	1	AVD0287	04/17/12	04/17/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-34 1204188-05 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	3280	50.0	24.5	ug/l	1	AVD0360	04/19/12	04/26/12	EPA 200.7	
Arsenic	2.1	10.0	1.0	"	1	"	"	"	"	J
Boron	203	50.0	0.8	"	1	"	"	"	"	
Iron	5570	20.0	11.5	"	1	"	"	"	"	
Manganese	286	10.0	0.6	"	1	"	"	"	"	
Sodium	155000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0260	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21


AWL 120417-34 1204188-05 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-34 1204188-05 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
Surrogate: Dibromofluoromethane	98.6 %	% Recovery Limits		70-130						"
Surrogate: Toluene-d8	101 %	% Recovery Limits		70-130						"
Surrogate: 4-Bromofluorobenzene	97.8 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0284	04/18/12	04/19/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.53	0.11	0.02	mg/L	1	AVD0287	04/17/12	04/17/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-35 1204188-06 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	2550	50.0	24.5	ug/l	1	AVD0360	04/19/12	04/26/12	EPA 200.7	
Arsenic	1.8	10.0	1.0	"	1	"	"	"	"	J
Boron	193	50.0	0.8	"	1	"	"	"	"	
Iron	4880	20.0	11.5	"	1	"	"	"	"	
Manganese	319	10.0	0.6	"	1	"	"	"	"	
Sodium	124000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0260	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21


AWL 120417-35 1204188-06 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-35 1204188-06 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0260	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
Surrogate: Dibromofluoromethane	102 %	% Recovery Limits		70-130					"	
Surrogate: Toluene-d8	102 %	% Recovery Limits		70-130					"	
Surrogate: 4-Bromofluorobenzene	97.0 %	% Recovery Limits		70-130					"	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0284	04/18/12	04/19/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.33	0.11	0.02	mg/L	1	AVD0287	04/17/12	04/17/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-36 1204188-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	874	50.0	24.5	ug/l	1	AVD0360	04/19/12	04/26/12	EPA 200.7	
Arsenic	1.5	10.0	1.0	"	1	"	"	"	"	J
Boron	104	50.0	0.8	"	1	"	"	"	"	
Iron	1270	20.0	11.5	"	1	"	"	"	"	
Manganese	230	10.0	0.6	"	1	"	"	"	"	
Sodium	45300	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0260	04/19/12	04/19/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21


AWL 120417-36 1204188-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0260	04/19/12	04/19/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-36 1204188-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0260	04/19/12	04/19/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
Surrogate: Dibromofluoromethane	99.3 %	% Recovery Limits		70-130						"
Surrogate: Toluene-d8	102 %	% Recovery Limits		70-130						"
Surrogate: 4-Bromofluorobenzene	96.8 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0284	04/18/12	04/19/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.16	0.11	0.02	mg/L	1	AVD0287	04/17/12	04/17/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-37 1204188-08 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	2630	50.0	24.5	ug/l	1	AVD0360	04/19/12	04/26/12	EPA 200.7	
Arsenic	2.8	10.0	1.0	"	1	"	"	"	"	J
Boron	133	50.0	0.8	"	1	"	"	"	"	
Iron	3530	20.0	11.5	"	1	"	"	"	"	
Manganese	384	10.0	0.6	"	1	"	"	"	"	
Sodium	45400	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0260	04/19/12	04/19/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-37 1204188-08 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0260	04/19/12	04/19/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

AWL 120417-37 1204188-08 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0260	04/19/12	04/19/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
Surrogate: Dibromofluoromethane	99.3 %	% Recovery Limits		70-130					"	
Surrogate: Toluene-d8	101 %	% Recovery Limits		70-130					"	
Surrogate: 4-Bromofluorobenzene	97.1 %	% Recovery Limits		70-130					"	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0284	04/18/12	04/19/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.15	0.11	0.02	mg/L	1	AVD0287	04/17/12	04/17/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0360 - EPA 200.7

Blank (AVD0360-BLK1)

Prepared: 04/19/12 Analyzed: 04/26/12

Aluminum	ND	50.0	24.5	ug/l							
Boron	1.50	50.0	0.8	"							J
Arsenic	ND	10.0	1.0	"							
Iron	ND	20.0	11.5	"							
Manganese	ND	10.0	0.6	"							
Sodium	ND	200	120	"							

LCS (AVD0360-BS1)

Prepared: 04/19/12 Analyzed: 04/26/12

Aluminum	1010	50.0	24.5	ug/l	1000		101	85-115			
Boron	931	50.0	0.8	"	1000		93.1	85-115			
Arsenic	938	10.0	1.0	"	1000		93.8	85-115			
Iron	1020	20.0	11.5	"	1000		102	85-115			
Manganese	1040	10.0	0.6	"	1000		104	85-115			
Sodium	992	200	120	"	1000		99.2	85-115			

LCS Dup (AVD0360-BSD1)

Prepared: 04/19/12 Analyzed: 04/26/12

Boron	934	50.0	0.8	ug/l	1000		93.4	85-115	0.268	20	
Aluminum	979	50.0	24.5	"	1000		97.9	85-115	3.08	20	
Arsenic	931	10.0	1.0	"	1000		93.1	85-115	0.771	20	
Iron	1010	20.0	11.5	"	1000		101	85-115	0.890	20	
Manganese	1040	10.0	0.6	"	1000		104	85-115	0.578	20	
Sodium	999	200	120	"	1000		99.9	85-115	0.703	20	


Matrix Spike (AVD0360-MS1)

Source: 1204188-01

Prepared: 04/19/12 Analyzed: 04/26/12

Boron	1170	50.0	0.8	ug/l	1000	235	93.3	75-125			
Aluminum	2280	50.0	24.5	"	1000	1100	117	75-125			
Arsenic	966	10.0	1.0	"	1000	ND	96.6	75-125			
Iron	2400	20.0	11.5	"	1000	1460	93.7	75-125			
Manganese	1120	10.0	0.6	"	1000	107	102	75-125			
Sodium	130000	200	120	"	1000	132000	NR	75-125			QL-01

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Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0360 - EPA 200.7


Matrix Spike Dup (AVD0360-MSD1)

Source: 1204188-01

Prepared: 04/19/12 Analyzed: 04/26/12

Boron	1170	50.0	0.8	ug/l	1000	235	93.3	75-125	0.00	25	
Aluminum	2260	50.0	24.5	"	1000	1100	116	75-125	0.660	25	
Arsenic	965	10.0	1.0	"	1000	ND	96.5	75-125	0.114	25	
Iron	2350	20.0	11.5	"	1000	1460	88.6	75-125	2.15	25	
Manganese	1130	10.0	0.6	"	1000	107	102	75-125	0.355	25	
Sodium	129000	200	120	"	1000	132000	NR	75-125	0.154	25	QL-01

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0260 - EPA 8260B

Blank (AVD0260-BLK1)

Prepared & Analyzed: 04/18/12

<i>Surrogate: Dibromofluoromethane</i>	12.3			ug/l	12.5		98.3	70-130			
<i>Surrogate: Toluene-d8</i>	12.7			"	12.5		102	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.1			"	12.5		96.6	70-130			
Gasoline Range Hydrocarbons	ND	50.0	9.0	"							
Ethanol	ND	20.0	2.6	"							
TBA	ND	5.0	1.2	"							
Methyl tert-Butyl Ether	ND	0.5	0.07	"							
Di-isopropyl ether	ND	0.5	0.07	"							
Ethyl tert-Butyl Ether	ND	0.5	0.06	"							
Tert-Amyl Methyl Ether	ND	0.5	0.08	"							
Dichlorodifluoromethane	ND	0.5	0.1	"							
Chloromethane	ND	0.5	0.1	"							
Vinyl chloride	ND	0.5	0.08	"							
Bromomethane	ND	0.5	0.2	"							
Chloroethane	ND	0.5	0.2	"							
Trichlorofluoromethane	ND	0.5	0.1	"							
Trichlorotrifluoroethane	ND	1.0	0.1	"							
Acetone	ND	5.0	0.6	"							
1,1-Dichloroethene	ND	0.5	0.05	"							
Iodomethane	ND	0.5	0.09	"							
Methylene chloride	ND	5.0	0.1	"							
Carbon disulfide	ND	0.5	0.08	"							
trans-1,2-Dichloroethene	ND	0.5	0.08	"							
1,1-Dichloroethane	ND	0.5	0.07	"							
2-Butanone	ND	5.0	0.4	"							
2,2-Dichloropropane	ND	0.5	0.2	"							
cis-1,2-Dichloroethene	ND	0.5	0.08	"							
Bromochloromethane	ND	0.5	0.2	"							
Chloroform	ND	0.5	0.1	"							
1,1,1-Trichloroethane	ND	0.5	0.08	"							
Carbon tetrachloride	ND	0.5	0.1	"							
1,1-Dichloropropene	ND	0.5	0.08	"							
Benzene	ND	0.5	0.06	"							
1,2-Dichloroethane	ND	0.5	0.09	"							
Dibromomethane	ND	0.5	0.1	"							
Trichloroethene	ND	0.5	0.09	"							
Bromodichloromethane	ND	0.5	0.1	"							
1,2-Dichloropropane	ND	0.5	0.1	"							
cis-1,3-Dichloropropene	ND	0.5	0.08	"							

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0260 - EPA 8260B

Blank (AVD0260-BLK1)

Prepared & Analyzed: 04/18/12

4-Methyl-2-pentanone	ND	5.0	0.3	ug/l
Toluene	ND	0.5	0.09	"
trans-1,3-Dichloropropene	ND	0.5	0.1	"
1,1,2-Trichloroethane	ND	0.5	0.09	"
Tetrachloroethene	ND	0.5	0.2	"
1,3-Dichloropropane	ND	0.5	0.2	"
2-Hexanone	ND	5.0	0.4	"
Dibromochloromethane	ND	0.5	0.08	"
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"
Chlorobenzene	ND	0.5	0.08	"
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"
Ethylbenzene	ND	0.5	0.06	"
m,p-Xylene	ND	1.0	0.1	"
o-Xylene	ND	0.5	0.08	"
Xylenes, total	ND	1.0	0.2	"
Styrene	ND	0.5	0.08	"
Bromoform	ND	0.5	0.1	"
Isopropylbenzene	ND	0.5	0.09	"
Bromobenzene	ND	0.5	0.09	"
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"
1,2,3-Trichloropropane	ND	0.5	0.1	"
n-Propylbenzene	ND	0.5	0.07	"
2-Chlorotoluene	ND	0.5	0.1	"
4-Chlorotoluene	ND	0.5	0.2	"
1,3,5-Trimethylbenzene	ND	0.5	0.1	"
tert-Butylbenzene	ND	0.5	0.1	"
1,2,4-Trimethylbenzene	ND	0.5	0.09	"
sec-Butylbenzene	ND	0.5	0.07	"
1,3-Dichlorobenzene	ND	0.5	0.1	"
4-Isopropyltoluene	ND	0.5	0.1	"
1,4-Dichlorobenzene	ND	0.5	0.1	"
1,2-Dichlorobenzene	ND	0.5	0.2	"
n-Butylbenzene	ND	0.5	0.08	"
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"
1,2,4-Trichlorobenzene	ND	0.5	0.09	"
Hexachlorobutadiene	ND	0.5	0.2	"
Naphthalene	ND	0.5	0.1	"
1,2,3-Trichlorobenzene	ND	0.5	0.2	"

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0260 - EPA 8260B

LCS (AVD0260-BS1)

Prepared & Analyzed: 04/18/12

Surrogate: Dibromofluoromethane	12.0			ug/l	12.5		96.4	70-130			
Surrogate: Toluene-d8	12.5			"	12.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	12.1			"	12.5		96.6	70-130			
1,1-Dichloroethene	18.9	0.5	0.05	"	20.0		94.3	80-120			
Benzene	19.8	0.5	0.06	"	20.0		98.8	80-120			
Trichloroethene	17.8	0.5	0.09	"	20.0		88.8	80-120			
Toluene	19.8	0.5	0.09	"	20.0		99.0	80-120			
Chlorobenzene	19.6	0.5	0.08	"	20.0		97.9	80-120			

LCS Dup (AVD0260-BSD1)

Prepared & Analyzed: 04/18/12

Surrogate: Dibromofluoromethane	12.4			ug/l	12.5		99.0	70-130			
Surrogate: Toluene-d8	12.5			"	12.5		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	12.0			"	12.5		95.7	70-130			
1,1-Dichloroethene	18.7	0.5	0.05	"	20.0		93.7	80-120	0.692	15	
Benzene	19.9	0.5	0.06	"	20.0		99.4	80-120	0.605	15	
Trichloroethene	17.7	0.5	0.09	"	20.0		88.7	80-120	0.0564	15	
Toluene	20.0	0.5	0.09	"	20.0		99.9	80-120	0.855	15	
Chlorobenzene	19.8	0.5	0.08	"	20.0		99.0	80-120	1.17	15	


Matrix Spike (AVD0260-MS1)

Source: 1204188-01

Prepared & Analyzed: 04/18/12

Surrogate: Dibromofluoromethane	12.3			ug/l	12.5		98.5	70-130			
Surrogate: Toluene-d8	12.5			"	12.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	12.1			"	12.5		96.6	70-130			
1,1-Dichloroethene	19.0	0.5	0.05	"	20.0	ND	95.2	80-120			
Benzene	20.0	0.5	0.06	"	20.0	ND	100	80-120			
Trichloroethene	18.1	0.5	0.09	"	20.0	ND	90.7	80-120			
Toluene	20.4	0.5	0.09	"	20.0	ND	102	80-120			
Chlorobenzene	20.2	0.5	0.08	"	20.0	ND	101	80-120			

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0260 - EPA 8260B


Matrix Spike Dup (AVD0260-MSD1)

Source: 1204188-01

Prepared & Analyzed: 04/18/12

<i>Surrogate: Dibromofluoromethane</i>	12.5			ug/l	12.5		100	70-130			
<i>Surrogate: Toluene-d8</i>	12.6			"	12.5		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.2			"	12.5		97.6	70-130			
1,1-Dichloroethene	19.1	0.5	0.05	"	20.0	ND	95.7	80-120	0.472	15	
Benzene	19.6	0.5	0.06	"	20.0	ND	98.3	80-120	2.02	15	
Trichloroethene	17.5	0.5	0.09	"	20.0	ND	87.7	80-120	3.31	15	
Toluene	19.5	0.5	0.09	"	20.0	ND	97.7	80-120	4.21	15	
Chlorobenzene	19.2	0.5	0.08	"	20.0	ND	96.3	80-120	4.77	15	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Wet Chemistry - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AVD0284 - SM5540C											
Blank (AVD0284-BLK1)					Prepared: 04/18/12 Analyzed: 04/19/12						
MBAS	ND	0.100	0.0600	mg/L							
Blank (AVD0284-BLK2)					Prepared & Analyzed: 04/19/12						
MBAS	ND	0.100	0.0600	mg/L							
LCS (AVD0284-BS1)					Prepared: 04/18/12 Analyzed: 04/19/12						
MBAS	0.485	0.100	0.0600	mg/L	0.500		97.0	90-110			
LCS (AVD0284-BS2)					Prepared & Analyzed: 04/19/12						
MBAS	0.484	0.100	0.0600	mg/L	0.500		96.8	90-110			
LCS Dup (AVD0284-BSD1)					Prepared: 04/18/12 Analyzed: 04/19/12						
MBAS	0.474	0.100	0.0600	mg/L	0.500		94.8	90-110	2.29	15	
LCS Dup (AVD0284-BSD2)					Prepared & Analyzed: 04/19/12						
MBAS	0.483	0.100	0.0600	mg/L	0.500		96.6	90-110	0.207	15	

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0287 - EPA 300.0

Blank (AVD0287-BLK1)

Prepared & Analyzed: 04/17/12

Nitrite as Nitrogen	ND	0.15	0.02	mg/L							
Nitrate as Nitrogen	ND	0.11	0.02	"							

LCS (AVD0287-BS1)

Prepared & Analyzed: 04/17/12

Nitrite as Nitrogen	3.13	0.15	0.02	mg/L	3.05		102	80-120			
Nitrate as Nitrogen	2.24	0.11	0.02	"	2.26		99.0	80-120			

LCS Dup (AVD0287-BSD1)

Prepared & Analyzed: 04/17/12

Nitrite as Nitrogen	3.12	0.15	0.02	mg/L	3.05		102	80-120	0.204	20	
Nitrate as Nitrogen	2.20	0.11	0.02	"	2.26		97.2	80-120	1.78	20	

Duplicate (AVD0287-DUP1)

Source: 1204188-01

Prepared & Analyzed: 04/17/12

Nitrite as Nitrogen	ND	0.15	0.02	mg/L		ND				20	
Nitrate as Nitrogen	1.52	0.11	0.02	"		1.61			5.77	20	

Matrix Spike (AVD0287-MS1)

Source: 1204188-01

Prepared & Analyzed: 04/19/12

Nitrite as Nitrogen	3.24	0.15	0.02	mg/L	3.05	ND	106	75-125			
Nitrate as Nitrogen	3.94	0.11	0.02	"	2.26	1.61	103	75-125			


Matrix Spike Dup (AVD0287-MSD1)

Source: 1204188-01

Prepared & Analyzed: 04/19/12

Nitrite as Nitrogen	3.40	0.15	0.02	mg/L	3.05	ND	112	75-125	5.02	20	
Nitrate as Nitrogen	4.01	0.11	0.02	"	2.26	1.61	106	75-125	1.86	20	

Excelchem Environmental Lab.



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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Notes and Definitions

QL-01 Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

ND Analyte not detected at reporting limit.

NR Not reported

Analysis Method

EPA 8260, EPA 8021/8015M

EPA 8270, EPA 8081, EPA 8082, EPA 8141, EPA 8015M (extractable)

Metals

TCLP

Not Specified

Prep Method

EPA 5030B

Water - EPA 3510C, Soil- EPA 3550B

Water- 3005A, Soil- 3050B

EPA 1311

Same as Analysis Method

Excelchem Environmental Lab.



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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Excelchem Environmental Labs				1135 W. Sunset Blvd. Suite A Rocklin, CA 95765 Ph: 916-543-4445 Fax: 916-543-4449				CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST								
Project Manager: Calvin Yang, Leticia Valadez				Phone #: 916-464-4730				Electronic Data Deliverables Request: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> Geotracker (Global ID) <input checked="" type="checkbox"/> Other (please specify)								
Company Address: Central Valley Regional Water Quality Control Board Sun Center Drive Suite #200 CA 95670				Fax #: 916-464-4800				Email Address: ccyang@waterboards.ca.gov lvaladez@waterboards.ca.gov								
Project Number/P.O.#:				Project Name: MUN Evaluation				Page 1 of 1								
Project Location:				Sampler Name and Signature: Calvin Yang				ANALYSIS REQUEST								
Sample ID	Sampling Date	Time	Container	Method Preserved	Matrix	LAB USE ONLY:										
						Requested TAT: 2wk	Metals = aluminum, arsenic, iron, manganese	Metals = Boron, Sodium	Wet	Total	Metals =	MBAs	Nitrate as N, Nitrite as N	VOC Full list (8260B)	LAB USE ONLY:	
AWL120417-30	4/17/2012		PLASTIC	X	X	X	X	X	X	X	X	X	X	X	X	01
AWL120417-31	4/17/2012		X	X	X	X	X	X	X	X	X	X	X	X	X	02
AWL120417-32	4/17/2012		X	X	X	X	X	X	X	X	X	X	X	X	X	03
AWL120417-33	4/17/2012		X	X	X	X	X	X	X	X	X	X	X	X	X	04
AWL120417-34	4/17/2012		X	X	X	X	X	X	X	X	X	X	X	X	X	05
AWL120417-35	4/17/2012		X	X	X	X	X	X	X	X	X	X	X	X	X	06
AWL120417-36	4/17/2012		X	X	X	X	X	X	X	X	X	X	X	X	X	07
AWL120417-37	4/17/2012		X	X	X	X	X	X	X	X	X	X	X	X	X	08
AWL120417-38	4/17/2012		X	X	X	X	X	X	X	X	X	X	X	X	X	
Relinquished by: Calvin Yang				Date	Time	Received by: Monica Gregory				Remarks/Condition of Sample:						
				4/17	1610											
Relinquished by: Calvin Yang				Date	Time	Received by: Laboratory				Bill To: Leticia Valadez, Central Valley Regional Water Quality Control Board						

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Sample Integrity

WORK ORDER 1204188

Date Received: 4/17/12

Section 1 - Sample Arrival Info.

Sample Transport: ONTRAC UPS USPS Walk-In EXCELCHEM Courier Fed-Ex Other: _____
Transported In: Ice Chest Box Hand
Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other: _____
Has chilling process begun? Y N Samples Received: Chilled to Touch / Ambient / On Ice
Temperature of Samples (°C): 10 Ice Chest Temperature(s) (°C): _____

Section 2 - Bottle/Analysis Info.

	Yes	No	N/A	Comments
Did all bottles arrive unbroken and intact?	<input checked="" type="checkbox"/>			
Did all bottle labels agree with COC?	<input checked="" type="checkbox"/>			
Were correct containers used for the tests requested?	<input checked="" type="checkbox"/>			
Were correct preservations used for the tests requested?	<input checked="" type="checkbox"/>			
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>			
Were bubbles present in VOA Vials?: (Volatile Methods Only)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Section 3 - Summa/Flow regulator Info.

Used Summa#: _____
Unused Summa#: _____
Cleaning Summa#: _____
Regulator#: NA
Was there any visual damage to summa canisters or flow regulators? Explain. time of collection not noted on the COC or samples.

Section 4 - COC Info.

	Completed Yes	No	Info From Container		Completed Yes	No	Comments
Was COC Received	<input checked="" type="checkbox"/>			Analysis Requested	<input checked="" type="checkbox"/>		
Date Sampled	<input checked="" type="checkbox"/>			Samples arrived within holding time	<input checked="" type="checkbox"/>		
Time Sampled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Any hold times less than 72 hrs	<input checked="" type="checkbox"/>		
Sample ID	<input checked="" type="checkbox"/>			Client Name	<input checked="" type="checkbox"/>		
Rush TAT		<input checked="" type="checkbox"/>		Address/Telephone #	<input checked="" type="checkbox"/>		

Section 5 - Comments / Discrepancies

Was Client notified of discrepancies: Yes No N/A Notified by: _____
Explanations / Comments: _____

Samples Labeled by: mg
Bin #: 516, 72C-72D
COC Scanned/Attached by: mg
Sample labels reviewed by: _____

Filled
Out by: Momea

Date: 4/17/12
Time: 16:00

Excelchem Environmental Lab.

John Jones

Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/30/12 12:21

Front Desk

From: Calvin Yang [ccyang@waterboards.ca.gov]
Sent: Monday, April 23, 2012 9:05 AM
To: Front Desk; Leticia Valadez
Subject: Re: Project MUN Evaluation, WO #1204188

Hi Marisa,

Sorry for not writing the times down. The times are:

-30 -> 9:20
-31 -> 9:01
-32 -> 9:43
-33 -> 11:12
-34 -> 13:20
-35 -> 12:53
-36 -> 11:42
-37 -> 12:10

Thanks,
Calvin

>>> Front Desk <FrontDesk@excelchem.net> 4/18/2012 11:49 AM >>>
Hello,

The COC and the bottles for samples we received on 4/17/12 did not include a time of collection. We have midnight as a default. If you would like this revised, please let me know.

If you have any questions or concerns, please send an e-mail.

Thank you,

Marisa Torres
Excelchem Environmental Labs
1135 W. Sunset Blvd. Suite A
Rocklin, CA 95765
(916) 543-4445 Phone
(916) 543-4449 Fax

Excelchem Environmental Lab.



Laboratory Representative

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